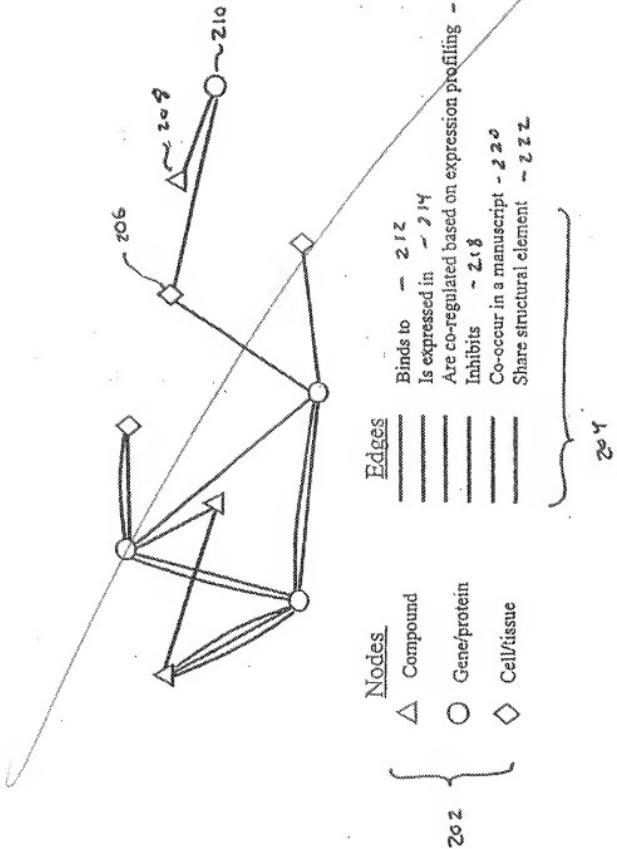


**FIG. 1**

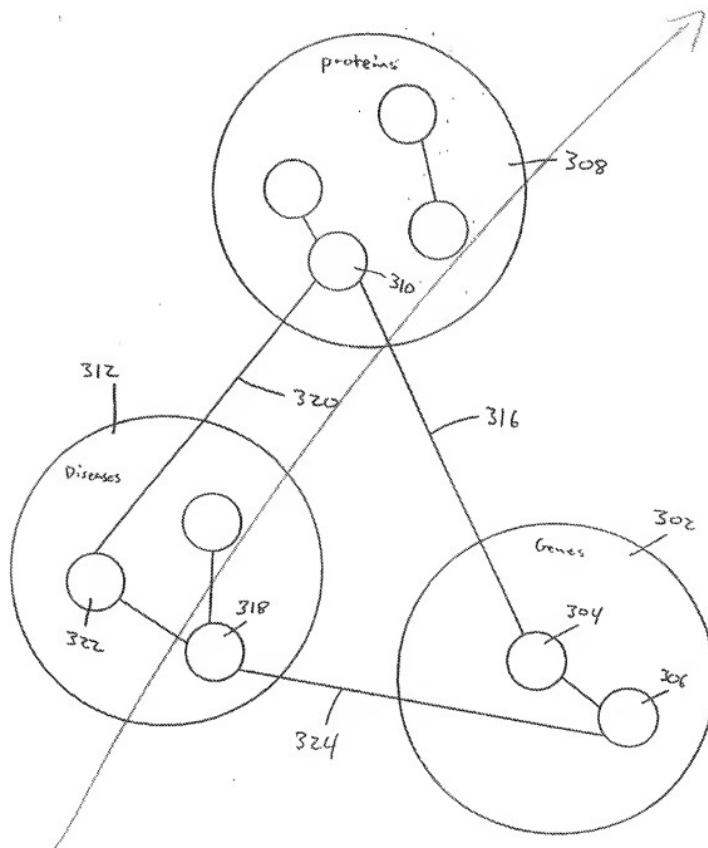
Annotated Sheet

Title: System, Method and Apparatus for  
Assembling and Mining Life Science Data  
Inventor(s): Chandra et al.  
Serial No. Not Yet Assigned  
Art Doc#: GEN-001  
Express Label No. EV174099155US



*Annotated Sheet*

Title: System, Method and Apparatus for  
Assembling and Mining Life-Science Data  
Inventor(s): Chandra et al.  
Serial No. Not Yet Assigned  
Atty Docket No. GEN-001  
Express Label No. EV174099155US



**FIG. 3A**

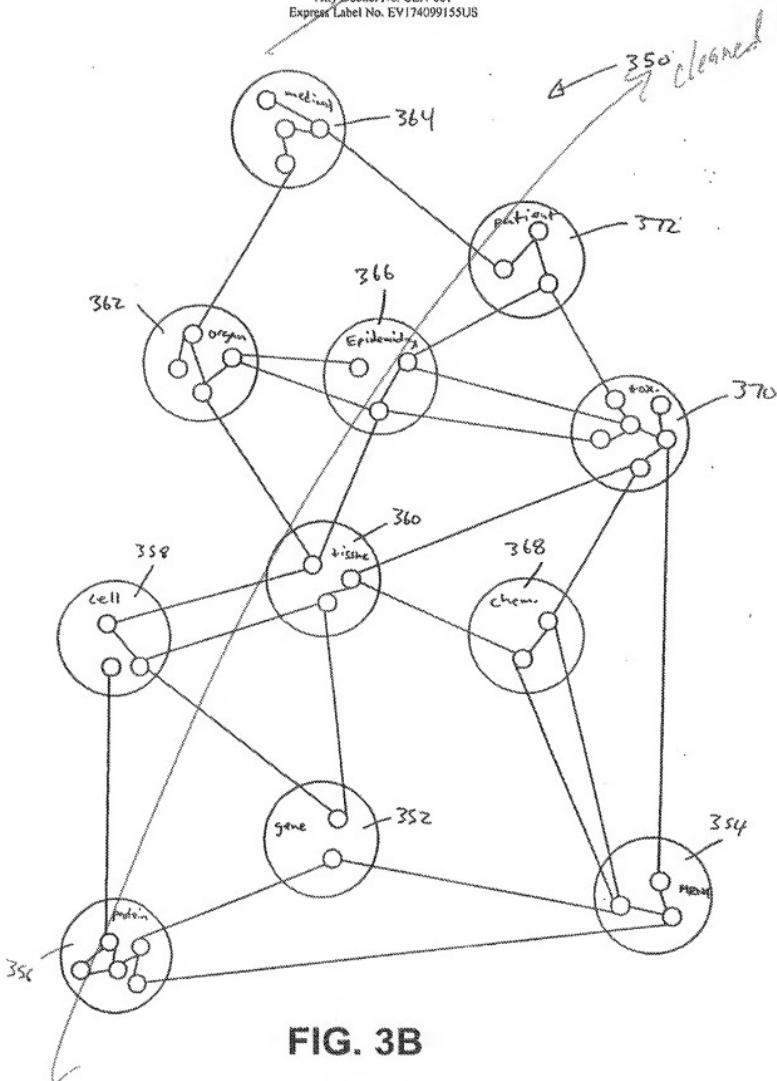
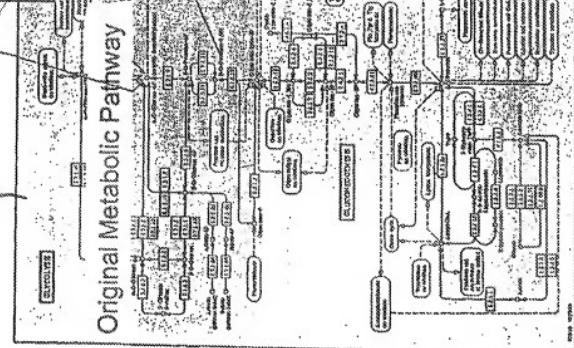
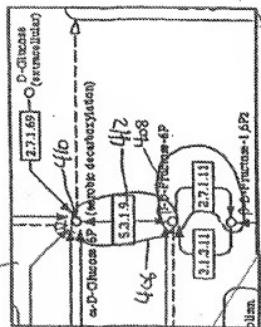


FIG. 3B

Annotated Sheet

Title: System, Method and Apparatus for  
Assembling and Mining Life Science Data  
Inventor(s): Chodat et al.  
Serial No. Not Yet Assigned  
Atty/Decker No. GEN-001  
Express Label No. EV174059155US

FIG. 4



Original Metabolic Pathway

reaction r  
(substrate  $\Sigma_1$ ) (product  $\Sigma_2$ )  
(enzymatic-action  
(enzyme  $E_r$ ) (reaction  $r$ ))

enlarged, cleaning  
no shading

Annotated Best



504



Sg8



506

502

[channel  
no shading]

FIG. 5

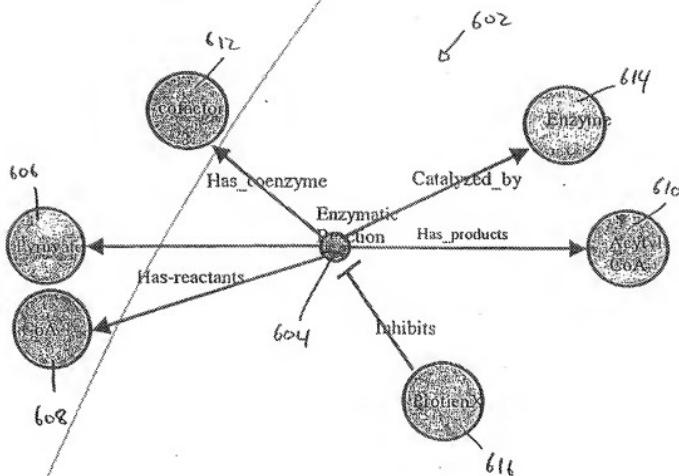


FIG. 6

Annotated Sheet

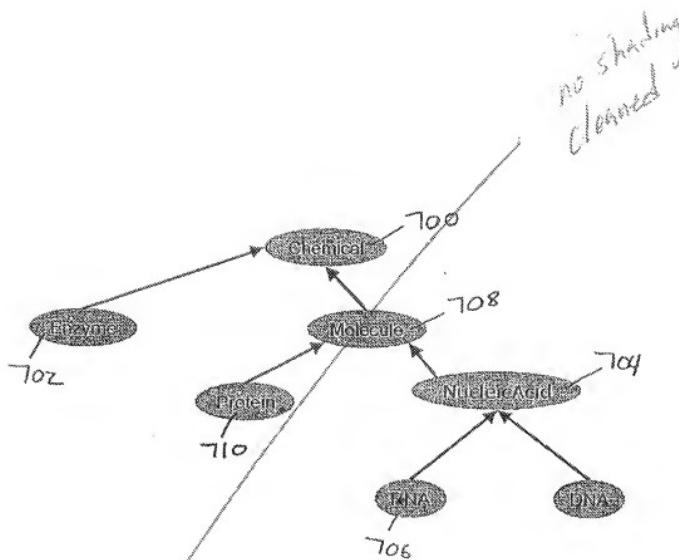


FIG. 7A

Annotated Sheet

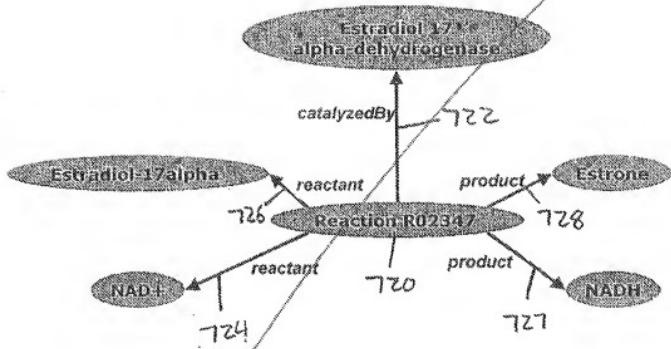


FIG. 7B

Annotation Sheet

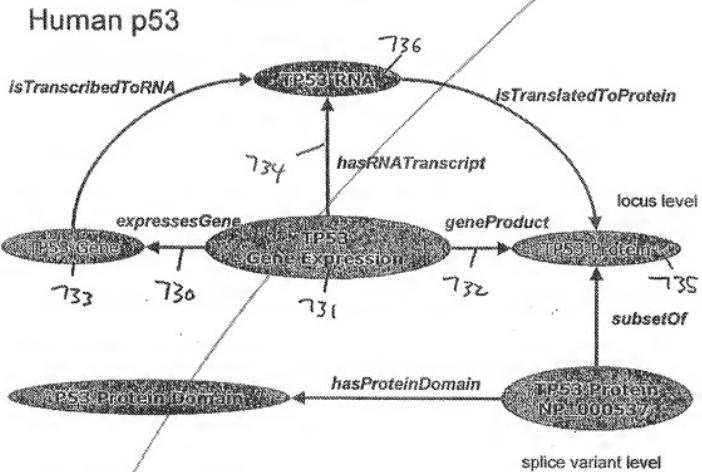
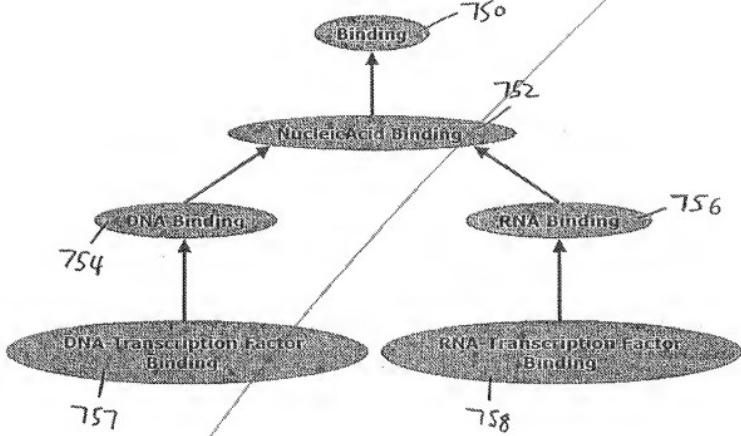


FIG. 7C



**FIG. 7D**

Annotated Sheet

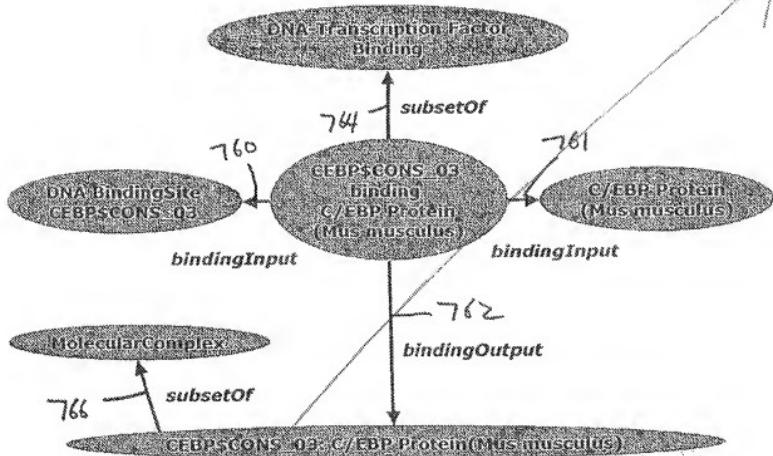


FIG. 7E

Annotated Sheet

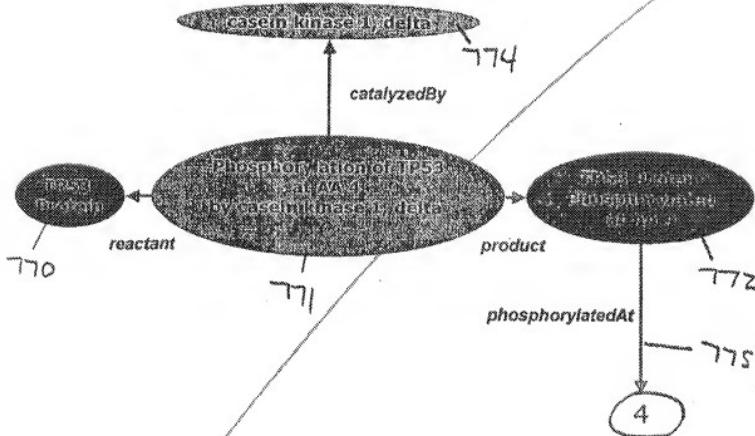


FIG. 7F

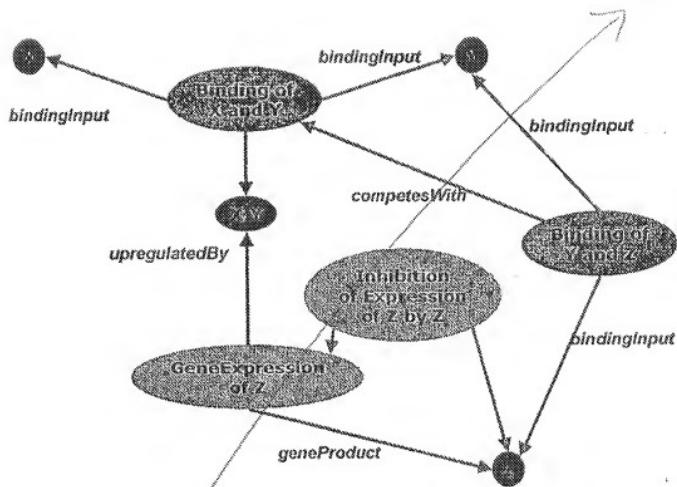
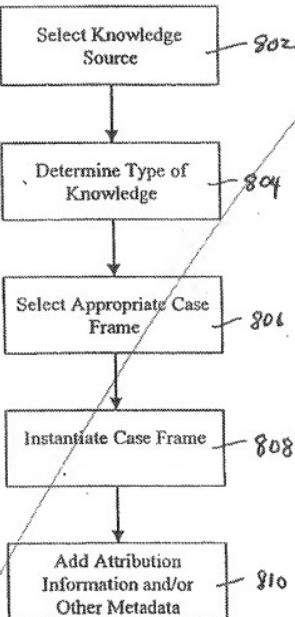


FIG. 7G

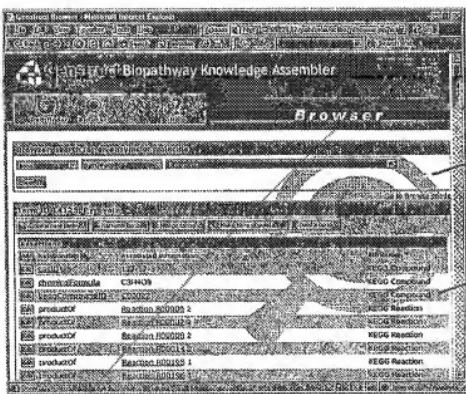
70 Learned



**FIG. 8**

Title: System, Method and Apparatus for Assembling and Mining Life Science Data  
Inventor(s): Chandra et al.  
Serial No. Not Yet Assigned  
Atty Docket No. GEN-001  
Express Label No. EV174099155US

## Annotated Sheet

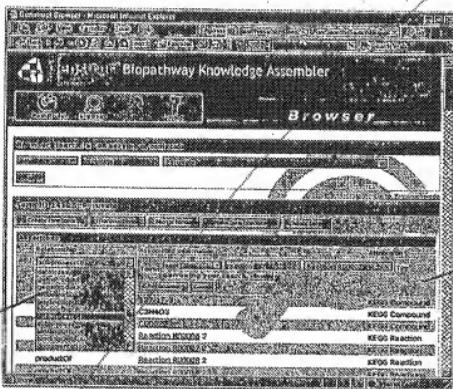


**FIG. 9**

Title: System, Method and Apparatus for  
Assembling and Mining Life Science Data  
Inventor(s): Chandra et al.  
Serial No. Not Yet Assigned  
Atty Docket No. GEN-001  
Express Label No. EV174099155US

Annotated Sheet

entirely clean  
no shading



902

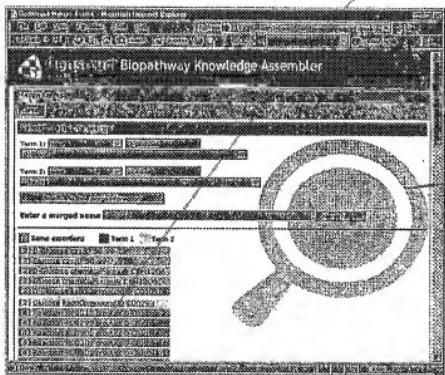
900

904

**FIG. 10**

Title: System, Method and Apparatus for Assembling and Mining Life Science Data  
Inventor(s): Chandra et al.  
Serial No. Not Yet Assigned  
Atty Docket No. GEN-001  
Express Label No. EV174099155US

## Annotated Sheet



**FIG. 11**

Title: System, Method and Apparatus for Assembling and Mining Life Science Data  
Inventor(s): Chandra et al.  
Serial No. Not Yet Assigned  
Atty Docket No. GEN-001  
Express Label No. EY174099155US

## Annotated Sheet

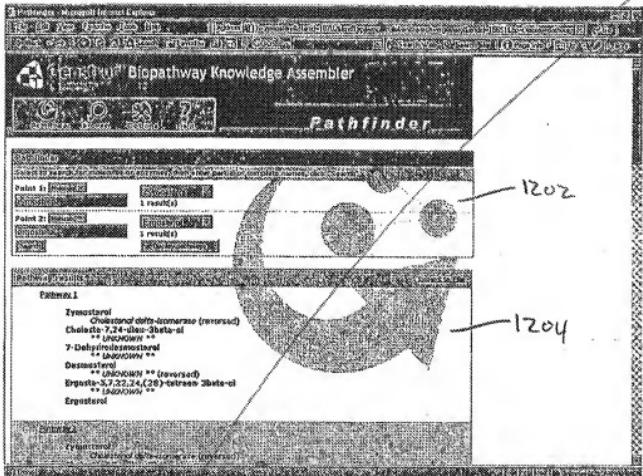
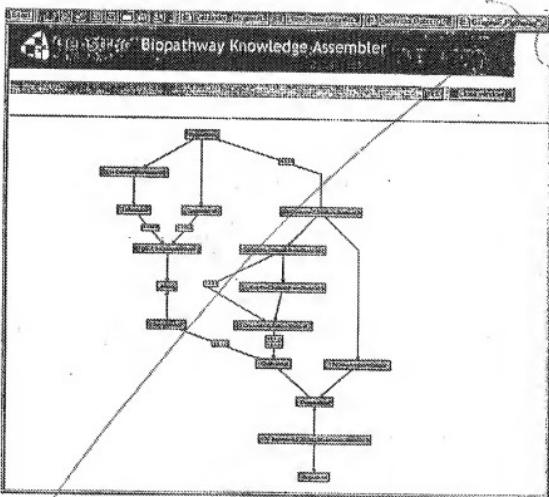


FIG. 12

Title: System, Method and Apparatus for  
Assembling and Mining Life Science Data  
Inventor(s): Chandra et al.  
Serial No. Not Yet Assigned  
Atty Docket No. GEN-001  
Express Label No. EV1740991SSUS

Annotated Sheet



**FIG. 13**

Title: System, Method and Apparatus for  
Assembling and Mining Life Science Data  
Inventor(s): Chandra et al.  
Serial No. Not Yet Assigned  
Atty Docket No. GEN-001  
Express Label No. EV174099155US

Annotated Sheet

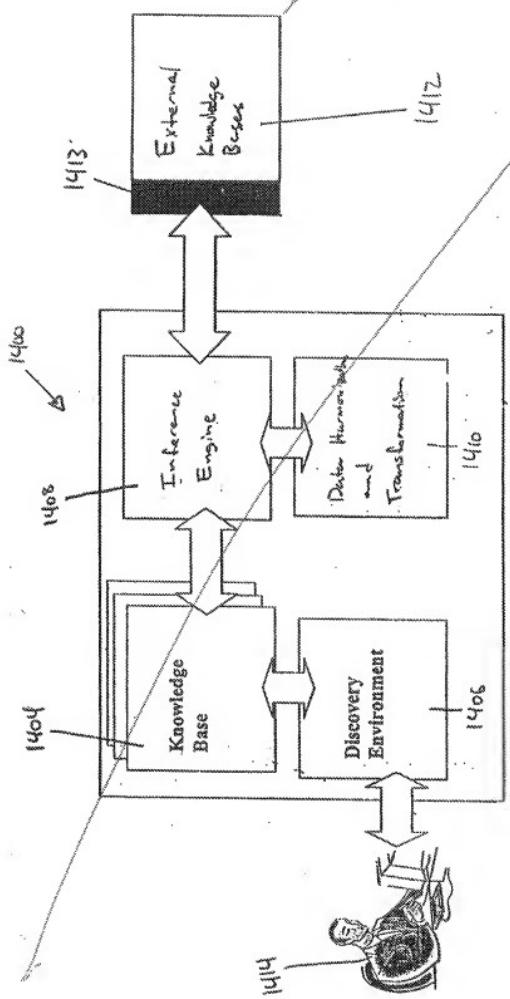
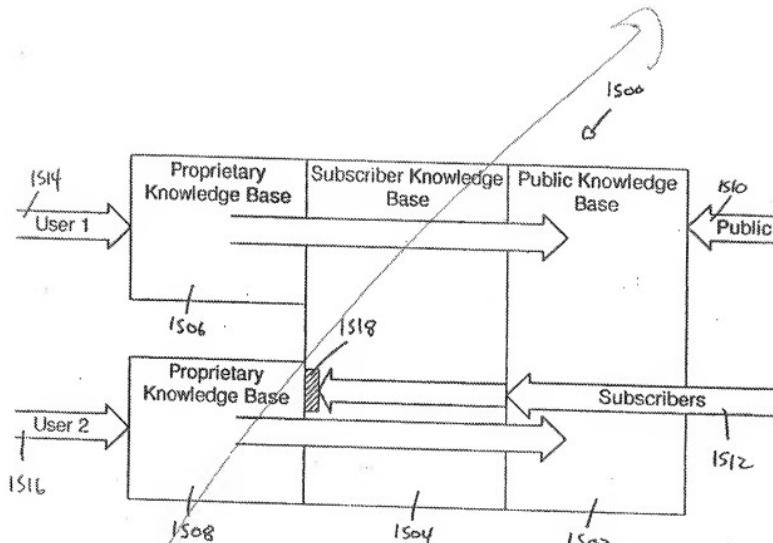


FIG. 14

*Annotated Sheet*

*(Review)*



**FIG. 15**